
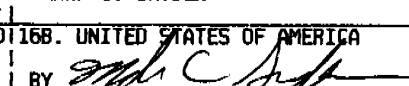


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		11. CONTRACT ID CODE J	PAGE OF PAGES 1 03
12. AMENDMENT/MODIFICATION NO. 000027	13. EFFECTIVE DATE 00JAN13	14. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	15. PROJECT NO. (If applicable)
16. ISSUED BY CONTRACTING SQUADRON 5 K AVENUE STE 1 SHEPPARD AFB TX	CODE FA3020 76311-2746	17. ADMINISTERED BY (If other than Item 6)	CODE
18. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Zip code)  RAYTHEON AEROSPACE COMPANY 555 INDUSTRIAL DR S MADISON MS 39110-9072		19A. AMENDMENT OF SOLICITATION NO.  19B. DATED (See item 11)  19C. MODIFICATION OF CONTRACT/ORDER NO. X F4168997C0509 19D. DATED (See item 13) 970CT01	
CODE		FACILITY CODE	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS			
The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.			
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified			
12. ACCOUNTING AND APPROPRIATION DATA (If required)		CODE: F60700	
NO COST CONTRACT MODIFICATION			
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. DESCRIBED IN ITEM 14.		NO CHG .00	
(X) 1A. This change order is issued pursuant to: (Specify authority) The changes set forth in Item 14 are made in the contract order no in item 10A.			
1B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in Item 14 pursuant to the authority of FAR 43.103(b).			
X 1C. This supplemental agreement is entered in pursuant to authority of: I-522, FAR 52.243-1, CHANGES -- FIXED PRICE (AUG 1987)			
1D. Other (Specify type of modification and authority)			
E. IMPORTANT: Contractor is not, is required to sign this document and return ALL copies to the issuing office.			
14. Description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  POC: SNYDER, MARK C. PHONE: 9406764450  SEE SCHEDULE			
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, are unchanged and in full force and effect.			
NAME AND TITLE OF SIGNER (Type or print) ROBERT G. FOSTER Contract Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) MARK C. SNYDER	
15B. CONTRACTOR/OFFEROR 	15C. DATE SIGNED 1-18-00	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 18JAN00
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

RAYTHEON AEROSPACE COMPANY

TIN # 112208712 DUNS # 091441089 CAGE # 1P066

14A. THE PURPOSE OF THIS MODIFICATION IS TO MODIFY THE CONTRACT TO ADDRESS NO COST CHANGES THAT HAVE BEEN AGREED TO, BUT HAVE NOT BEEN MODIFIED INTO CONTRACT.

(1) PURSUANT TO 82 CONS/LGCX LETTER, DATED 7 JANUARY 2000, AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0025, DATED 10 JANUARY 2000; CONTRACT CLAUSE NUMBER I-413, FAR 52.232-33, (MAY 99) IS UPDATED IN THE CONTRACT, AND CONTRACT CLAUSE NUMBER IA-34, DFARS 252.204-7004 IS ADDED TO THE CONTRACT FOR CENTRAL CONTRACTOR REGISTRATION AND TO ENHANCE PROCESSING PAYMENTS, AS A NO COST CHANGE TO THE CONTRACT.

(2) PURSUANT TO 82 CONS/LGCX LETTER, DATED 3 NOVEMBER 1999, AND RAYTHEON AEROSPACE COMPANY LETTER RA-728-ATC-00-0011, DATED 9 NOVEMBER 1999, CONTRACT CLAUSE NUMBER I-479, IS ADDED TO THE CONTRACT TO ENSURE CONTINUITY OF CONTRACT SERVICES, AS A NO COST CONTRACT CHANGE.

(3) PURSUANT TO 82 CONS/LGCX LETTER, DATED 27 SEPTEMBER 1999, AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0005, DATED 13 OCTOBER 1999 CONTRACT PERFORMANCE WORK STATEMENT PARAGRAPH 1.2.2.10 IS MODIFIED TO REFLECT THE REQUIREMENTS FOR RELIABILITY SOLDERING CERTIFICATION, AS A NO COST CHANGE TO THE CONTRACT.

(4) PURSUANT TO 82 CONS/LGCX E-MAIL, DATED 11 JANUARY 2000 AND RAYTHEON AEROSPACE COMPANY E-MAIL, DATED 11 JANUARY 2000 PWS PARAGRAPH 1.2.2.10. IS MODIFIED TO ADD THE WORDS "AS A MINIMUM" IN FRONT OF THE LAST SENTENCE IN THE PARAGRAPH, AS A NO COST CONTRACT CHANGE.

(5) PURSUANT TO 82 CONS/LGCX LETTER, DATED 27 SEPTEMBER 1999, AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0004, DATED 13 OCTOBER 1999, PWS PARAGRAPHS 2.2.22 THROUGH 2.2.45 HAVE BEEN RENUMBERED TO ALLOW FOR THE REVISIONS TO PWS PARAGRAPHS 2.2.22, AND 2.2.28, TO DEFINE THE DIFFERENCES BETWEEN PERSONAL PROTECTIVE EQUIPMENT AND SAFETY EQUIPMENT. ALSO, PWS PARAGRAPH 4.8. IS MODIFIED TO REFERENCE PWS PARAGRAPH 2.2.22. AS A NO COST CHANGES TO THE CONTRACT.

(6) PURSUANT TO 82 CONS/LGCX LETTER, DATED 31 AUGUST 1999 AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-99-0058, DATED 17 SEPTEMBER 1999 PWS PARAGRAPH 5.2.2.3. IS MODIFIED TO CLARIFY THE REQUIREMENTS FOR DEFERRED DISCREPANCIES AS A NO COST CHANGE TO THE CONTRACT.

(7) PURSUANT TO 82 CONS/LGCX LETTER, DATED 18 OCTOBER 1999 AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0008, PWS PARAGRAPHS 5.12.1.5.1, 5.12.1.5.1, AND 5.12.1.5.2. ARE MODIFIED TO CLARIFY THE REQUIREMENTS FOR FUEL CELL MAINTENANCE AS A NO COST CLARIFICATION TO THE CONTRACT.

(8) PURSUANT TO 82 CONS/LGCX LETTER, DATED 18 OCTOBER 1999, RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0015, DATED 19 NOVEMBER 1999, 82 CONS/LGCX LETTER, DATED 3 DECEMBER 1999, AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0020, DATED 28 DECEMBER 1999, TECHNICAL EXHIBIT 4 IS REVISED TO REFLECT CHANGES TO THE REPORTS LISTED IN THE EXHIBIT AS A NO COST CLARIFICATION CHANGE TO THE CONTRACT.

(9) PURSUANT TO 82 CONS/LGCX LETTER, DATED 27 DECEMBER 1999 AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0023, DATED 6 JANUARY 2000, TECHNICAL EXHIBIT 4, REPORTS 9 AND 50 ARE MODIFIED AS A NO COST CONTRACT CLARIFICATION CHANGE TO THE CONTRACT REPORTING REQUIREMENTS.

(10) PURSUANT TO 82 CONS/LGCX LETTER, DATED 4 NOVEMBER 1999 AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-00-0012, DATED 15 NOVEMBER 1999 TO MODIFY TECHNICAL EXHIBIT 5E TO INCORPORATE PAGES THAT WERE ERRONEOUSLY DELETED IN MODIFICATION A00020, AS NO COST CHANGES TO THE CONTRACT.

(11) PURSUANT TO 82 CONS/LGCX MEMORANDUM, DATED 1 AUGUST 1998, AND RAYTHEON AEROSPACE COMPANY LETTER NUMBER RA-728-ATC-98-0049, TECHNICAL EXHIBIT 6 IS MODIFIED TO REFLECT THE AGREED TO ADDITION OF ITEM NUMBER 25, WHICH WAS ERRONEOUSLY OMITTED IN MODIFICATION A00018, AS A NO COST CONTRACT CHANGE.

( CONTINUED )

RAYTHEON AEROSPACE COMPANY

14B. THE FOLLOWING PAGES ARE TO BE DELETED FROM THE CONTRACT, AND INSERT THE REPLACEMENT PAGES, ATTACHED TO THIS MODIFICATION, INTO THE CONTRACT AS INDICATED BELOW:

DELETE PAGE #	INSERT PAGE #
21 OF 63 THRU 24 OF 63	21 OF 63 THRU 24 OF 63
C-1-5 THRU C-1-6	C-1-5 THRU C-1-6
C-1-8 THRU C-1-9	C-1-8 THRU C-1-9
C-2-5 THRU C-2-8	C-2-5 THRU C-2-8
C-4-2	C-4-2
C-5-3	C-5-3
C-5-11 THRU C-5-24	C-5-11 THRU C-5-24
TE-4-1 THRU TE-4-10	TE-4-1 THRU TE-4-10
TE-5E COVER PAGE	TE-5E COVER PAGE
TE-5E-1	TE-5E-1 THRU TE-5E-1A
TE-6-3 THRU TE-6-4	TE-6-3 THRU TE-6-4

14C. NO OTHER CHANGES ARE EITHER EXPRESSED OR IMPLIED.

( END PAGE )

I-285	52.222-43	<b>FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT -- PRICE ADJUSTMENT (MULTIPLE YEAR AND OPTION CONTRACTS)</b> (IAW FAR 22.1006©(1))	MAY 1989
I-292	52.223-2	<b>CLEAN AIR AND WATER</b> (IAW FAR 23.105(b))	APR 1984
I-295	52.223-6	<b>DRUG-FREE WORKPLACE</b> (IAW FAR 23.505(b))	JUL 1990
I-297E	52.223-14	<b>TOXIC CHEMICAL RELEASE REPORTING</b> (IAW FAR 23.907(b))	OCT 1995
I-312	52.225-11	<b>RESTRICTIONS ON CERTAIN FOREIGN PURCHASES</b> (IAW FAR 25.704)	MAY 1992
I-314D	52.226-1	<b>UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES</b> (IAW FAR 26.104(a))	AUG 1991
I-315	52.227-1	<b>AUTHORIZATION AND CONSENT</b> (IAW FAR 27.201-2(a))	JUL 1995
I-317	52.227-2	<b>NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENTS</b> (IAW FAR 27.202-2)	APR 1984
I-337	52.228-5	<b>INSURANCE - WORK ON A GOVERNMENT INSTALLATION</b> (IAW FAR 28.310)	SEP 1989
I-352	52.229-3	<b>FEDERAL, STATE, AND LOCAL TAXES</b> (IAW FAR 29.401-3)	JAN 1991
I-383	52.232-1	<b>PAYMENTS</b> (IAW FAR 32.111(a)(1))	APR 1984
I-389	52.232-7	<b>PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS</b> (IAW FAR 32.111(b))	APR 1984
I-391	52.232-8	<b>DISCOUNTS FOR PROMPT PAYMENT</b> (IAW FAR 32.111©(1))	APR 1989
I-394	52.232-11	<b>EXTRAS</b> (IAW FAR 32.111(d)(2))	APR 1984
I-403	52.232-17	<b>INTEREST</b> (IAW FAR 32.617(b))	JAN 1991
I-404	52.232-18	<b>AVAILABILITY OF FUNDS</b> (IAW FAR 32.705-1(a))	APR 1984
I-409	52.232-23	<b>ASSIGNMENT OF CLAIMS</b> (IAW FAR 32.806(a)(1))	JAN 1986
I-412	52.232-25	<b>PROMPT PAYMENT</b> (IAW FAR 32.908©)	MAR 1994

For the purpose of this clause the blank(s) are completed as follows:

(a)(6)(1) 30th

(b)(2) 30th

I-413	52.232-33	<b>MANDATORY INFORMATION FOR ELECTRONIC FUNDS TRANSFER PAYMENT</b> (IAW FAR 32.1103(a) and ©)	MAY 1999
I-417	52.233-1	<b>DISPUTES</b> (IAW FAR 33.215)	OCT 1995
I-419	52.233-3	<b>PROTEST AFTER AWARD</b> (IAW FAR 33.106(b))	OCT 1995
I-420	52.233-3	<b>ALTERNATE I</b> (IAW FAR 33.106(b))	JUN 1985

I-478	52.237-2	<b>PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION</b> (IAW FAR 37-110(b))	APR 1984
I-479	52.237-3	<b>CONTINUITY OF SERVICES</b> (IAW 37.110©)	JAN 1991
I-529	52.242-1	<b>NOTICE OF INTENT TO DISALLOW COSTS</b> (IAW FAR 42.802)	APR 1984
I-531	52.242-3	<b>PENALTIES FOR UNALLOWABLE COSTS</b> (IAW FAR 42.709-6)	OCT 1995
I-532	52.242-4	<b>CERTIFICATION OF INDIRECT COSTS</b> (IAW FAR 42.703-2(f))	OCT 1995

© 2. All costs included in this proposal \_\_\_\_\_  
to establish billing or final indirect cost rates  
for \_\_\_\_\_.

4. Firm: \_\_\_\_\_  
Signature: \_\_\_\_\_

Name of Certifying Official: \_\_\_\_\_

Title: \_\_\_\_\_

Date of Execution: \_\_\_\_\_

I-541	52.242-13	<b>BANKRUPTCY</b> (IAW FAR 42.903)	JUL 1995
I-546	52.243-1	<b>CHANGES -- FIXED PRICE</b> (IAW FAR 43.205(a)(1))	AUG 1987
I-547	52.243-1	<b>ALTERNATE I</b> (IAW FAR 43.205(a)(2))	APR 1984
I-522	52.243-2	<b>CHANGES -- COST-REIMBURSEMENT</b> (IAW FAR 43.205(b)(1))	AUG 1987
I-553	52.243-2	<b>ALTERNATIVE I</b> (IAW FAR 43.205(b)(2))	APR 1984
I-558	52.243-3	<b>CHANGES -- TIME-AND-MATERIALS OR LABOR-HOURS</b> (IAW FAR 43.205©)	AUG 1987
I-568	52.244-1	<b>SUBCONTRACTS (FIXED-PRICE CONTRACTS)</b> (IAW FAR 44.204(a)(1))	FEB 1995

(e) Even if the Contractor's purchasing system has been approved, the Contractor shall obtain the Contracting Officer's written consent before placing subcontracts identified below: \_\_\_\_\_

I-571	52.244-3	<b>SUBCONTRACTS (TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS)</b> (IAW FAR 44.204©))	APR 1985
I-573	52.244-5	<b>COMPETITION IN SUBCONTRACTING</b> (IAW FAR 44.204(e))	JAN 1996
I-574	52.244-6	<b>SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS</b> (IAW FAR 44.403)	OCT 1995

CONTRACT NUMBER F41689-97-C0509  
MODIFICATION NUMBER A00027

(a) Definition.

"Commercial item", as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract", as used in this clause, includes a transfer of commercial items between divisions, and subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision of clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

- (1) 52.222-26, Equal Opportunity (E.O. 11246);
- (2) 52.222-35, Affirmative Action for Special Disabled and Vietnam Era Veterans (38 U.S.C. 4212(a));
- (3) 52.222-36, Affirmative Action for Handicapped Workers (29 U.S.C. 793); and
- (4) 52.247-64, Preference for Privately Owned U.S. - Flagged Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontractors awarded beginning May 1, 1996).

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

I-580. 52.245-2 **GOVERNMENT PROPERTY (FIXED-PRICE CONTRACTS) (DEVIATION)** DEC 1989

(IAW FAR 45.106(b)(1), and AFAC 92-51 (Item D2))

The sentence that states that "special tooling accountable to the contract is subject to provisions of the Special Tooling clause, and not the provisions of the Government Property (Fixed-Price Contracts) clause" is waived in accordance with class deviation approved in DAR CASE 90-932 for a period of one year or until the FAR is changed, whichever occurs first.

I-581. 52.245-2 **ALTERNATE I** APR 1984  
(IAW FAR 45.106(b)(2))

I-585. 52.245-5 **GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-HOUR CONTRACTS) (DEVIATION)** JUL 1995

(IAW FAR 45.106(f)(1), and AFAC 92-49 (ITEM D-2))

As prescribed in FAR 45.1069f(1), insert the following clause:

(g)(5) The contractor shall notify the contracting officer upon loss or destruction of, damage to, Government property provided under this contract, with the exception of low value property for which loss, damage, or destruction is reported at contract termination, completion, or when needed for continued contract performance. The Contractor shall take all reasonable action to protect the Government property from further damage, separate the damaged and undamaged Government property, put all the affected Government property in the best possible order, and furnish to the Contracting Officer a statement of --

CONTRACT NUMBER F41689-97-C0509  
MODIFICATION NUMBER A00027

	(i)	The lost, destroyed, or damaged Government property;	
	(ii)	The time and origin of the loss, destruction, or damage;	
	(iii)	All known interests in commingled property of which the Government property is a part; and	
	(iv)	The insurance, if any, covering any part of or interest in such commingled property.	
I-630.	52.246-25	<b>LIMITATION OF LIABILITY—SERVICES</b>	APR 1984
I-636.	52.247-1	<b>COMMERCIAL BILL OF LADING NOTATIONS</b> (IAW FAR 47.104-4)	APR 1984
I-671.	52.248-1	<b>VALUE ENGINEERING</b> (IAW FAR 48.201(b))	MAR 1989
I-684.	52.249-2	<b>TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)</b> (IAW FAR 49.502(b)(1)(i))	APR 1984
I-692.	52.249-6	<b>TERMINATION (COST-REIMBURSEMENT)</b> (IAW FAR 49.503(a)(1))	MAY 1984
I-696.	52.249-6	<b>ALTERNATE IV</b> (IAW FAR 49.503(a)(4))	APR 1984
I-699.	52.249-8	<b>DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)</b> (IAW FAR 49.504(a)(1))	APR 1984
I-710.	52.249-14	<b>EXCUSABLE DELAYS</b> (IAW FAR 49.505(d))	APR 1984
I-733.	52.252-6	<b>AUTHORIZED DEVIATIONS IN CLAUSES</b> (IAW FAR 52.107(f))	APR 1984
(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.			
(b) the use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(Deviation)" after the name of the regulation.			
I-750.	52.253-1	<b>COMPUTER GENERATED FORMS</b> (IAW FAR 53.111)	JAN 1991
IA-20.	252-203-7000	<b>STATUTORY PROHIBITION ON COMPENSATION TO FORMER DEPARTMENT OF DEFENSE EMPLOYEES</b> (IAW DFARS 203.170-4)	NOV 1995
IA-22.	252.203-7001	<b>SPECIAL PROHIBITION ON EMPLOYMENT</b> (IAW DFARS 203.570-5)	NOV 1995
IA-24.	252.203-7002	<b>DISPLAY OF DOD HOTLINE POSTER</b> (IAW DFARS 203.7002)	DEC 1991
IA-33.	252.204-7003	<b>CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT</b> (IAW DFARS 204.404-70(b))	APR 1992
IA-34.	252.204-7004	<b>REQUIRED CENTRAL CONTRACTOR REGISTRATION</b> (IAW DFARS 204.7304)	MAR 1998
IA-40.	252-205-7000	<b>PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS</b> (IAW DFARS 205.470-2)	DEC 1991
IA-90.	252.209-7000	<b>ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (IMF) TREATY</b> (IAW DFARS 209.103-70)	NOV 1995
IA-91.	252.209-7004	<b>REPORTING OF COMMERCIAL TRANSACTIONS WITH THE GOVERNMENT OF A TERRORIST COUNTRY</b> (IAW DFARS 209.104-70(d))	SEP 1994

1.2.2.2. Qualified Personnel. The contractor shall provide only properly trained, qualified, and/or certified technicians. Personnel who perform trainer and GITA maintenance must have at least one (1) year of recent (within past five (5) years) equivalent maintenance experience which shall be documented in personnel and/or training records (Ref: paragraph 5.3.2.2.). Personnel who perform trainer and GITA maintenance and do not meet the above experience requirement shall complete a comprehensive contractor training program prior to performing trainer maintenance. Such training shall be documented in a training and/or personnel record (Ref: paragraph 5.3.2.2). Personnel who perform maintenance on support equipment such as AGE, TMDE, etc., must have at least one (1) year recent (within past five (5) years) experience applicable to the type of equipment being maintained, or shall complete a comprehensive contractor training program, prior to performing maintenance. Personnel performing Munitions Operations duties shall have knowledge of automated munitions supply procedures, Combat Ammunition System - Base (CAS-B) computer terminal operations, munitions requisitions and issue procedures, reporting, inventorying, custody account operations, stock level management. Personnel performing Munitions duties shall have knowledge of munitions maintenance, inspection, warehousing and storage, explosive and ground safety, munitions handling, security, and munitions management policy.

1.2.2.2.1. The contractor shall ensure that employees who perform the following task have and maintain the following current and valid professional certification/license as applicable before performing maintenance tasks:

- a. Survival Equipment: Interspiro Airpack Certification for performing maintenance on Interspiro Airpack portable breathing apparatus.
- b. Spectrometer Oil Analysis Program Technician Certification (SOAP) PME Personnel: USAF Radioactive Permit IAW paragraph 1.8.
- c. Welding: Current Welders Certification as required by Technical Data (TOs) 00-25-257 and 00-25-234.
- d. Night Vision Goggles: Level 1 Reliability Soldering Certification IAW TO 00-25-234 before performing maintenance on miniature and micro-miniature devices.
- e. Technician Type Universal Certification IAW 40 CFR 82 Sub Part F.

1.2.2.2.1.1. The contractor shall maintain a current by-name listing of all employee certifications and licenses. The list shall be provided to the CO at the contract start date and updated listings shall be submitted as employee changes occur. The contractor shall ensure employees obtain and maintain certification/licensing and rectification, as required.

1.2.2.3. Qualification and Training Standards: The contractor shall establish and publish qualification and training standards in contractor regulations. As a minimum, these standards shall reflect personnel qualification levels



commensurate with specific tasks peculiar to trainers, GITAs, munitions, TMDE, and associated equipment maintenance. These standards shall parallel those acceptable to the Air Force and commercial trainers, aircraft, missiles, avionics, munitions, TMDE, and/or support equipment industry, subject to review and acceptance of the ACO.

1.2.2.4. Contractor Training Plan. The contractor shall formulate and submit a comprehensive Training/Qualification/ Certification Plan for their employees. This plan shall include, as a minimum:

- a. A detailed description of how the contractor will establish and ensure a fully qualified work force throughout the life of the contract.
- b. Specific milestones, frequencies, and/or intervals as to when any training, qualification, or certification will occur.
- c. Specific methods and procedures as to how the training, qualification, or certification will be accomplished.
- d. Specific areas and tasks in which the training, qualification, or certification will be accomplished.
- e. The extent or level to which the training, qualification, or certification will be accomplished.
- f. The anticipated number and position of those personnel that will require training, qualification, or certification.
- g. The number and position of those personnel that will conduct training, qualification, and certification.

The contractor shall submit three (3) copies of the Training/Qualification/ Certification Plan to the CO not later than the pre-performance conference. An updated copy must be provided to the CO and Chief QAE on the contract start date and as changes occur for acceptance by the Government. The contractor shall not deviate from the accepted plan without the written consent of the CO.

1.2.2.5. Successor Contractor Personnel Certification. In the event the follow-on contract is awarded to other than the incumbent and the successor contractor hires incumbent contractor employees, the following training/qualification/certification minimums are established:

1.2.2.5.1. As reflected by the appropriate records and Core Automated Maintenance System (CAMS) products, the incumbent contractor employees qualification/certification will be considered valid for a period of up to 120 calendar days, beginning on contract performance start date. Within this 120 day period, the successor contractor shall verify the qualification/certification of former incumbent contractor employees and requalify/recertify those personnel (except as noted in paragraph 1.2.2.5.3.). All such qualification/certification actions shall be in accordance with provisions of the performance work statement.

Additionally, these contractor personnel shall be provided jackets/coats with embroidered badges that clearly depict the company name and employee's name; however, off-equipment/shop contractor employees that do not dispatch to hangars or the flight line need not be provided jackets/coats. Embroidered badges worn by supervisory personnel shall reflect the specific individual supervisor's position. The contractor may request waiver or exception of this uniform requirements for office employees; e.g., clerks, secretaries, etc. Waivers or exceptions for office employees must be approved by the CO. Badges worn by supervisory and office personnel shall reflect the specific individual position. Additionally, each contractor employee shall possess identification on their person that contains the company name, employee name, and employee photograph (Ref. paragraph 1.2.3.2.). The contractor may provide printed T-shirts to their employees for wearing from 1 June to 31 August each year. As a minimum the T-shirts shall be printed with the company identification (i.e. company name) and the wearer's name.

1.2.2.11. All contractor personnel who are in supervisory positions, or personnel who perform maintenance utilizing technical orders or written documentation must be able to read, write, speak, and understand American English.

1.2.2.12. Contractor Contingency Plan. This contract has been designated as a wartime skill critical contract. The following "key employee" positions within the contract have been designated as wartime skill critical positions: Contractor Manager (1); Assistant Contract Manager (1); Quality Support (1); Maintenance Control (1); AGE Maintenance (1); PMEL (1); Trainer Maintenance (1); Aircraft Maintenance (1); Weapons/Avionics Maintenance (1); Munitions Management (1).

1.2.2.12.1. The contractor shall establish and maintain a complete Contingency Plan that will ensure continuation of services during periods of crisis, such as a national wartime mobilization. One copy of the contractor's contingency plan shall be provided to the contracting officer not later than 60 days following the contract start date. The contractor can consolidate changes to the plan and submit them as an updated plan within 30 days after changes occur.

1.2.2.12.2. The contractor contingency plan shall contain:

a. A listing of all contractor employees who have a military mobilization recall commitment (active reserve, inactive reserve, Army/Air National Guard, or military retiree under the age of 60). Key employees identified in paragraph 1.2.1.1., who are subject to military recall, shall be listed separately.

b. A listing of individual replacements, designated by the contractor, for those incumbent "key employees", who are subject to military recall. The

contractor shall list the replacement's name and current position within the contract and shall certify that the named replacement has the following qualifications:

- (1) Sufficient skills to perform the "key employee" duties.
- (2) Not subject to military recall.

1.2.2.12.3. If a designated replacement cannot be named from within the contract at the same installation as the incumbent "key employee", the contractor shall brief the "key employee" that he/she is holding a key position within the contract that precludes their membership in the Ready Reserve. The contractor shall then submit a mobilization exemption request to the contracting officer (See Section J for sample letter). The contractor shall notify the applicable military service reserve center not later than 30 days after an exempted employee is no longer filling a "key employee" position.

1.2.2.13. Strike Plan. The contractor shall formulate and submit a written work force strike plan not later than the pre-performance conference for review and acceptance.

1.2.2.14. The contractor shall not employ any person who is an employee of the United States Government (either military or civilian) if the employment of that person would create a conflict of interest or the appearance of a conflict of interest as prescribed in Executive Order 12674, dated April 12 1989, or DOD Directive 5500.7, as amended.

1.2.2.14.1. Notwithstanding the apparent absence of a conflict of interest, the contractor shall not employ any person who is an employee of the Department of the Air Force (either military or civilian) unless such person has received waivers of any installation policies restricting employment or if such employment would be contrary to the policies contained in AFI 64-106.

1.2.2.14.2. The contractor shall not employ any person who is a spouse or dependent child of a Department of the Air Force employee (military or civilian) when such Air Force employee would be placed in a conflict of interest or appearance of a conflict of interest by virtue of such employment.

1.2.2.14.3. The contractor acknowledges that off-duty employment of active duty military personnel may interfere with the contractor's ability to perform because such personnel are subject to changes in military duty hours, deployment, temporary duty travel, and permanent change of station orders. The abrupt absence of these personnel shall not constitute an excuse for nonperformance under this contract.

2.2.18. On-Equipment Maintenance. Maintenance tasks that are or can be effectively accomplished on the trainers, GITAs, historical/static displays, or support equipment. Note: Maintenance on uninstalled engines is also on-equipment maintenance as the engine assumes its own "identity."

2.2.19. One-Time Inspection. Local, higher headquarters, or depot directed inspection accomplished to determine equipment condition or status.

2.2.20. Organizational Maintenance. All on- and off-equipment maintenance, repair, and triple "R" actions (removal, repair, reinstallation) performed by the unit in its own behalf. Basically, any on- or off-equipment maintenance action that is within the unit's capability to perform.

2.2.21. Overhaul. The disassembly, cleaning, inspection, repair, or replacement of parts or components, reassembly, and test of any item or accessory IAW applicable TOs, directives, or authorized manufacturers publications to provide an operationally safe, serviceable, and reliable item.

2.2.22. Personal Protection Equipment (PPE). Individually issued personal protection equipment used to prevent bodily injury while performing a specific task. e.g., respirators, hearing protection, eye protection, gloves, safety shoes, and hard hats. Also, including confined space personal protective equipment for the Sheppard AFB Fuel Training Complex.

2.2.23. Precision Measurement Equipment Laboratory (PMEL) Automated Management System (PAMS). An on-line automated data system that supports PMEL operations, it consists of computer program that provides inventory management, scheduling, multi-level sampling of quality assurance, maintenance data collection, and report generation.

2.2.24. Powered Aerospace Ground Equipment (AGE). Items of portable engine or motor drive equipment used in servicing, handling, and maintaining trainer and GITA systems, subsystems, and equipment. These items include, but are not limited to, portable engine and motor driven equipment in the following categories: generators sets, air compressors, blowers, portable hydraulic test stands, air conditioners, ground heaters, light carts, air cycling machines, gas turbine compressors, self-propelled bomb lifts, etc.

2.2.25. Reclamation. The process of disassembly of trainer, GITA, or support equipment, and other end items to recover serviceable or economically repairable spare parts for which requirements still exist. Reclamation includes the inspection, identification, cleaning, condition tagging, and turn-in to supply channels of parts for reuse in the AF Supply System.

2.2.26. Repair. The restoration or replacement of parts or components of material as necessitated by wear and tear, damage, failure of parts or the like in order to maintain the specific item of material in proper operating condition.

2.2.27. Response. An action by the contractor that places a qualified technician at the job site initiating a repair, inspection or service request in support of this PWS. Responses are to be performed to the applicable standards.

2.2.28. Safety Equipment. Equipment individually used and/or multi-used to prevent injury while performing a specific task.

2.2.29. Scheduled Maintenance. Scheduled maintenance is a known or predictable maintenance requirement that can be planned or programmed for accomplishment on either a short or long range schedule.

2.2.30. Service. A job which calls directly for a contractor's time and effort rather than for a concrete end product. The service is to be performed to the standard and within the acceptable quality level. The contractor must do the specific job, and meet the standard before one can say the performance has been acceptable.

2.2.31. Serviceable. Capable of meeting the requirement and performance of the function for which designed or modified, and meeting all test requirements established by the prescribed specification.

2.2.32. Serviceable Condition. That condition of an article in which all specifications of manufacture or repair have been complied with, and in which the article is suitable for the purpose for which it was designed or authorized. The fact that an article shows signs of previous usage does not necessarily mean that the article is unserviceable. When an article meets safety and performance requirements, such property will be considered as serviceable.

2.2.33. Standard. Acknowledged measure of performance as determined by the Government.

2.2.34. Reserved.

2.2.35. Performance Work Statement (PWS). A document which describes accurately the essential and technical requirements for items, materials, or services including the standards used to determine whether the requirements have been met.

2.2.36. Support Agreements. (i.e., Host Tenant Support, Interservice Agreements) A written document that describes facilities, material, or services provided by the host to another organization.

2.2.37. Support Equipment (SE). Support equipment includes but is not limited to the following categories: aerospace ground equipment; test, measurement, and diagnostic equipment; tools; vehicles; construction equipment; and computer software required for support equipment operation.

2.2.38. Technical Data. Scientific or technical information, regardless of form or characteristic.

2.2.39. Test, Measurement, and Diagnostic Equipment (TMDE). Those devices used to test, measure, evaluate, inspect, or otherwise examine materials, supplies, equipment, and systems to identify or isolate any actual or potential malfunction, or to determine compliance with specifications established in technical documents (RDT&E documents, specifications, engineering drawings, and technical orders.)

2.2.40. Time Compliance Technical Orders (TCTO). The media authorized by AFPD 21-3 to provide instructions to Air Force activities for accomplishing or making a record of "one-time" changes to standard systems, equipment, materials, munitions, and computer programs or for imparting precautionary instructions relating to safety, limitations, or inspections of system/equipment or munitions. Compliance is required within specified time limits. All retrofit changes, modifications, and updating changes (DODI 5000-2AF SUP1), must be identified and accomplished by means of a TCTO.

2.2.41. Tools. Items used in the performance of maintenance and inspection of a trainer, GITA, or support equipment.

2.2.41.1. Common Hand Tools. Tools and containers which are found in common usage such as those applicable to or used on a variety of equipment and components. These items include but are not limited to wrenches, sockets, pliers, toolboxes, etc.

2.2.41.2. Special Tools. Tools which are designed and developed to perform a peculiar maintenance operation on a specific end item of equipment or component. These items include, but are not limited to, wheel or bearing pullers, special jigs, special cradles, alignment devices, vacuum pumps, floor jacks and cranes, engine slings, and those special tools listed in applicable equipment technical orders.

2.2.42. Trainer. An item of equipment designed or used to allow a trainee to practice specific operational or maintenance tasks or procedures. It may include actual operational or simulated components or a combination of both to portray the system equipment it represents. Trainers include but are not limited to the following categories: nonaviation weapon systems, powered or nonpowered training aids and devices, aircraft and simulators.

2.2.43. Transfer/Acceptance Inspection. An inspection to determine equipment condition prior to transfer or acceptance of trainers, GITAs, or support equipment. Transfer/acceptance inspections will be performed IAW TO 00-20-1, TO 00-20-7, AFI 21-103, AFCSM 21-Series, and AETCI 21-101.

2.2.44. Turn Around Transaction (TRN). A supply transaction code which updates the demand level for repair cycle assets.

2.2.45. Unscheduled Maintenance. Those unpredictable maintenance requirements that had not been previously planned or programmed, but require prompt attention and must be added to, integrated with or substituted for previously scheduled workloads.

are clean and kept free of litter and present a neat appearance. The contractor shall also be responsible for ice and snow removal around these facilities as outlined in the base snow removal plan. The contractor shall be liable for any injuries resulting from failure to comply with the base snow removal plan.

4.6. OFF STATION SUPPORT. Off Station Support Requirements will be approved/disapproved in advance by the CO. The contractor shall provide the initial funding for contractor personnel providing off station support for this PWS. The Government will reimburse the contractor for per diem and travel expenses at Government rates IAW joint travel regulations (JTR). Estimated workload for this support is at TE-2.

4.7. VEHICLE USER MAINTENANCE. Provide vehicle user maintenance IAW paragraph 3.2.11.1.

4.8. PERSONAL PROTECTION EQUIPMENT. Provide all required personal protection equipment, e.g., respirators, hearing protection, eye protection, gloves, etc., (see pws paragraph 2.2.22.) including confined space personal protective equipment for the Sheppard AFB Fuels Training Complex.

4.9. COMMON HAND TOOLS. Provide replacement for all common hand tools and local manufactured special tools that are not coded GF or GFM in TE-5E during the life of this contract.

4.10. SELF HELP. Provide support for self help projects within contractor occupied areas (See para 1.1.11).



due as specified by technical data and AETCI 21-101. Inspections shall never be deferred except as authorized by technical data, AETCI 21-101, or by the ACO.

5.2.2.2. Time Compliance Technical Orders (TCTO). All TCTOs and AETC J-Code TCTOs shall be accomplished within prescribed time frames. Required parts and/or kits shall be requisitioned within three (3) duty days after base receipt of the TCTO and/or J-Code IAW TO 00-5-15.

5.2.2.2.1. Depot/Contract Field Teams. Contractor shall support depot and/or contract field teams that may be assigned to perform trainer or GITA equipment modifications and/or TCTOs (within contractor's capability as determined by the CO). This shall include, as a minimum, providing and maintaining AGE and equipment required by the depot/contract field teams.

5.2.2.3. Deferred Discrepancies. All awaiting maintenance (AWM) deferred discrepancies recorded against trainers, GITAs, historical/static displays, and support equipment shall be corrected during the next scheduled periodic inspection unless the CO or designated representative approves an extension, in writing. Periodic inspections at intervals less than 80 calendar days do not require an extension. No deferred discrepancies shall exceed 365 calendar days in length without an approved extension.

5.2.2.3.1. AWM deferred discrepancies shall be corrected prior to transfer or turn-in of trainers, GITAs, and support equipment unless waived by CO or designated representative.

5.2.3. Repair Cycle Asset Management System (RCAMS). The contractor shall establish a RCAMS program IAW AETCI 21-101.

5.2.3.1. Repair Cycle Assets. Monthly average turnaround time for repair of base level reparables assets shall not exceed standards listed in TE-6. The repair priority listing specified in AETCI 21-101 shall be used as the only basis for establishing repair cycle asset priorities.

5.2.3.2. The contractor shall establish a Repair Cycle Monitor (RCM) function IAW AETCI 21-101.

5.2.3.3. Base Repair Capability. The base repair capability rate shall not be below the standard listed in TE-6.

5.2.4. The contractor shall support Core Automated Maintenance System (CAMS), PMEL Automated Management System (PAMS) and AETC automated status reporting/scheduling/technical systems, Base Level Information Management Program (BLIMP), and Comprehensive Engine Maintenance System (CEMS).

5.12.1.3. Perform scheduled/unscheduled pickup, delivery, and positioning of trainers, GITAs, support equipment, and TMDE to meet mission requirements.

5.12.1.4. Perform periodic, calendar, and local inspections on trainers and GITAs utilizing applicable --6 TO inspection requirements.

5.12.1.5. The contractor shall perform minor fuel maintenance, repair, functional check and inspection of Trainers and GITA fuel systems and components including maintenance of associated systems containing any petroleum based liquid and or any liquid containing a petroleum product being used in the system. The contractor will not be required to perform any maintenance requiring open cells on trainer/GITA(s).

5.12.1.5.1. The contractor shall ensure contractor maintenance personnel's compliance with Sheppard Air Force Base Spill Prevention and Response Plan (Short Title: SAFB 705) as it applies to their operation while performing minor fuel systems maintenance, as stated in paragraph 5.12.1.5., and ensure that all requirements of the pws paragraph 5.24. Hazardous Waste Management are met.

5.12.1.5.2. The contractor shall determine with assistance from the appropriate owner of the Trainer/GITA(s) if the fuel leak discrepancy requires repair. The contractor shall request assistance for open cell fuel tank repairs in accordance with Technical order 00-25-107. The contractor shall coordinate the request for assistance through the 82 MXS/LGML office prior to the transmission of the request to 2 AF and HQ AETC.

5.12.1.6. The contractor shall provide on- and off-equipment maintenance for propulsion units and components. Responsibilities shall include, but not be limited to, the following areas IAW AETCI 21-101. The contractor shall:

5.12.1.6.1. Accomplish engine removal, installation, inspection, repair, test, adjustment, trim, conditioning, component replacement and on equipment repair. Deliver/pick up engines to and from the Base Supply building when an engine is to be shipped/received from depot or other locations.

5.12.1.6.2. Accomplish engine/component preservation prior to shipping IAW TO 2J-1-18.

5.12.1.6.3. Accomplish engine/component packaging (can/decan) IAW TO 2J-1-18.

5.12.1.7. Perform egress system maintenance, repair, functional check, and inspection.

5.12.1.8. Scheduling Use of the Building 1360 Ramp for Air craft Painting:

- a. The contractor may perform aircraft painting at the northeast corner of the building 1360 ramp as mission requirements allow. If mission requirements do not permit, the contractor shall schedule and perform aircraft painting as required in paragraph 5.12. and 5.12.1 scheduling the painting in appropriate sites for painting.
- b. If the contractor wishes to use the northeast corner of the building number 1360 ramp, the contractor shall contact the Airfield Manager, Chief of Base Operations, for prior approval of the painting schedule before utilizing the northeast corner of the building 1360 ramp.
- c. The Airfield Management Section will approve/disapprove the requested scheduled painting based upon mission requirements. If the Airfield Management Section provides approval for the contractor to paint on the ramp, the contractor shall move the aircraft with a 24 hour notice from the Aircraft Management Section, the 82 MXS/LGMQ, or the ACO.

5.13. AIRCRAFT STRUCTURAL MAINTENANCE, GENERAL ADVANCED COMPOSITE REPAIR AND NON-DESTRUCTIVE INSPECTION (NDI) COURSE. The contractor shall establish a trainer maintenance operation at NAS Pensacola, Pensacola FL. The maintenance operation shall be responsible for trainer and support equipment servicing, scheduled and unscheduled maintenance, TCTOs to include local and command-directed inspections, cleaning, and ground handling. They shall work closely with Sheppard AFB Trainer Maintenance MOC to report current trainer and equipment status and request specialist support for maintenance beyond the capabilities of their personnel or equipment IAW AETCI 21-101. The contractor shall:

5.13.1. Perform scheduled and unscheduled inspections, repairs, operational checks, modifications, calibrations, installation, corrosion control, servicing, etc., to provide fully mission capable (FMC) trainer assemblies, subassemblies and components IAW applicable technical data. The contractor shall provide maintenance support to minimize the loss of student training time. All contractor proposed changes to scheduled maintenance will be coordinated at least one work day in advance with the customer. The contractor shall respond to scheduled/unscheduled maintenance customer requests as specified in AETCI 21-101, and SAFBI 21-101. When contractor action changes trainer status and/or availability, the contractor shall advise the customer of the change(s) within the time limits IAW AETCI 21-101, and SAFBI 21-101.

5.14. AIR LAUNCHED MISSILES SYSTEM MAINTENANCE TRAINING. The Contractor shall establish a trainer maintenance operation at Vandenberg AFB CA. The maintenance operation shall be responsible for trainer and support

equipment servicing, scheduled and unscheduled maintenance, TCTOs to include local and command-directed inspections, cleaning, and ground handling. They shall work closely with Sheppard AFB Trainer Maintenance MOC to report current trainer and equipment status and request specialist support for maintenance beyond the capabilities of their personnel or equipment IAW AETCI 21-101. The contractor shall:

5.14.1. Perform scheduled and unscheduled inspections, repairs, operational checks, modifications, calibrations, installation, corrosion control, servicing, etc., to provide fully mission capable (FMC) trainer assemblies, subassemblies and components IAW applicable technical data. The contractor shall provide maintenance support to minimize the loss of student training time. All contractor proposed changes to scheduled maintenance will be coordinated at least one work day in advance with the customer. The contractor shall respond to scheduled/un scheduled maintenance customer requests as specified in AETCI 21-101, and SAFBI 21-101. When contractor action changes trainer status and/or availability, the contractor shall advise the customer of the change(s) within the time limits IAW AETCI 21-101, and SAFBI 21-101.

5.15. SPECIALIST MAINTENANCE. The contractor shall provide on- and off-equipment scheduled and unscheduled maintenance and accomplish TCTOs and local/command-directed inspections/modifications (J-Codes/L-Codes). This requirement applies to all functions listed in paragraphs 5.16. through 5.20.2.4.

5.15.1. The contractor shall comply with precious metals control and disposition procedures IAW AETCI 21-101 and AFR 400-14.

5.15.2. The contractor shall produce required items coded as local manufacture IAW AETCI 21-101 and SAFBI 21-101, at no additional cost to the Government, as required by the CO.

5.16. FABRICATION MAINTENANCE. The contractor shall provide on- and off- equipment maintenance capability for metals technology and structural maintenance IAW AETCI 21-101. The contractor shall:

5.16.1. Provide metals technology to include inspection, repair, fabrication, heat treating, welding, cleaning and testing of metal components for trainers, GITA, historical/static displays, and support equipment IAW AFI 21-105 and AETCI 21-101.

5.16.1.1. Contractor welders shall be qualified, certified and recertified IAW AFI 21-105.

5.16.1.2. Provide machine shop support for the manufacture and repair of trainers, GITAs, historical/static displays, and equipment parts, assemblies, and tools IAW AETCI 21-101.

5.16.2. Provide structural maintenance to include modification, manufacture, repair, and inspection of sheet metal, fiberglass, wood and plastic components, and related hardware for support equipment, trainer, GITA, and historical/static displays IAW AETCI 21-101.

5.16.2.1. Utilize corrosion control facility for detecting and treating trainers, GITAs, historical/static displays, and support equipment for corrosion and applying protective coatings IAW AETCI 21-101.

5.16.2.2. Provide major, full, minor paint, and replace deteriorated marking decals on trainers, GITAs, and static displays (historical exhibits) IAW AFI 21-105, AFI 21-106, AETCI 21-101, and applicable Tech Data. This includes minor and major touch up as needed or as directed by the CO.

5.16.2.2.1. The contractor shall provide to the FAC and CO a painting schedule to show a complete paint of all aircraft over a five year period.

5.16.2.3. Strip paint from trainers, GITAs, historical/static displays, support equipment using the system(s) provided by the Government IAW applicable regulations and TOs 1-1-4 and 1-1-8 or as directed by the CO.

5.16.2.4. Provide NDI capability to determine structural integrity of trainers, GITAs, and support equipment IAW AFI 21-105 and AETCI 21-101.

5.17 MUNITIONS MANAGEMENT: The contractor shall establish a Munitions Management function which is responsible for requisition, issue, reporting, inventorying, custody account operations, and stock level management.

5.17.1 Munitions Operation. The contractor shall:

5.17.1.1. Perform all functions applicable to operating the munitions (FV) account IAW AFI 21-201, AFI 21-202, and AETCI 21-101, Vol 2.

5.17.1.2. Perform all functions that have been delegated by the Munitions Accountable System Officer (MASO) IAW AFI 21-202.

5.17.1.3. Process all munitions transactions utilizing the CAS-B IAW AFI 21-202, and AFM 136-824.

5.17.1.4. Present all inventory adjustment documents to the MASO for approval and signature IAW 21-202.

5.17.2. Management of Munitions Accounts. The contractor shall:

5.17.2.1. Manage all munitions accounts IAW AFI 21-202 and AFI 21-203.

5.17.2.2. Manage all munitions account authorization/allocation levels IAW AFI 21-202.

5.17.2.2.1. Perform and document a monthly review of appropriate SBSS records to ensure no munitions assets show up on the Base Supply Records.

5.17.2.3. Maintain and act as OPR for the Munitions Customers' Guide IAW AFI 21-202, and AETCI 21-101, Vol 2 and ensure this guide is distributed to all munitions custodians and their organizational commanders.

5.17.2.3.1. Establish, document, and conduct a formal weapons safety training program as required by AFI 91-202 for all munitions account custodians who handle or maintain explosives items (other than those exempted by AFI 91-202, para. 10.6).

5.17.2.4. Ensure organizations that store their own munitions/explosives have approved facilities prior to issuing explosive assets to their munitions account. Their facilities must be either properly sited or licensed by Wing Safety IAW AFI 91-201.

5.17.2.5. Train, brief and provide written instructions to organization commanders, certifying officials, and primary account custodians. These instructions will:

5.17.2.5.1. Outline their individual duties and responsibilities relating to the management of a munitions account IAW AFI 21-202 and AETCI 21-101, Vol 2.

5.17.2.5.2. Be signed by each individual upon completion of the briefing.

5.17.2.5.3. Cover procedures for requests for issue, turn-in, expenditure reporting, and actions to take in case of theft, loss, or inadvertent firing or activation of an explosive item.

5.17.2.5.4. Be provided to and signed by each organization commander, certifying official, and account custodian upon assignment or appointment to that position.

5.17.2.6. Ensure a courtesy storage agreement is maintained for each organization requesting courtesy storage. This agreement will be signed by the requesting unit commander IAW AFI 21-201.

- 5.17.2.7. Segregate courtesy-stored munitions assets from base stock assets.
- 5.17.2.8. Provide munitions handling training and technical assistance to account custodians as required.
- 5.17.2.9. Maintain an AF Form 68 for each approved munitions account IAW AFI 21-202.
- 5.17.2.10. Maintain a jacket file for each munitions account IAW AFI 21-2-2.
- 5.17.2.11. Provide an IS507A, Custody Account Listing to each munitions account custodian quarterly or when requested.
- 5.17.2.12. Provide each munitions account custodian an IS430A, Count/Recount Listing to conduct the quarterly inventory.
- 5.17.3. Munitions Storage. The Contractor shall:
  - 5.17.3.1 Store all base stock munitions assets IAW DoD 6055.9-STD, AFI 21-201, AFMAN 91-201, and applicable technical orders.
  - 5.17.3.2. Provide courtesy storage as required for munitions accounts whose organization is unable to provide adequate/approved storage for their assets.
    - 5.17.3.2.1. Provide continuous escort for munitions account custodians when accessing munitions structures containing assets other than those assigned to their account.
  - 5.17.3.3. Ensure courtesy-stored munitions assets are properly placard and stored IAW AFI 21-201 and AETCI 21-101, Vol 2.
  - 5.17.3.4. Ensure account custodians keep their areas neat, clean, and properly maintained.
  - 5.17.3.5. Provide access to courtesy-stored munitions to account custodians.
- 5.17.4. Munitions Inspection. The contractor shall:
  - 5.17.4.1. Perform all required munitions receiving, periodic, storage monitoring, pre-issue, shipping, returned munitions, and special inspections IAW AFI 21-201 and applicable technical orders.

5.17.4.2. Initiate, process, and conduct follow-up actions on Ammunition Disposition Request (ADRs) for all munitions assets as required IAW AFI 21-202 and applicable technical orders.

5.17.4.3. Ensure all locally approved ADRs are within the quarterly allowable dollar limits IAW AFI 21-202.

5.17.5. Munitions Transportation and Handling. The contractor shall:

5.17.5.1. Ensure all account custodians handle and transport their munitions assets IAW AFI 21-201 and AFMAN 91-201.

5.17.5.2. Notify 82 TRW Security Police to provide escort during movements of high and very high risk munitions when transported outside the munitions storage area IAW OPLAN 125-37.

5.17.5.3. Transport munitions outside the munitions storage area only along routes designated as either Primary or Alternate Explosives Routes by the 82 TRW Safety Office.

5.17.5.4. Transport Class C explosives and inert munitions identified and prepared for shipment to the Transportation Management Office (TMO) as required.

5.17.5.5. The contractor shall download and store all incoming munitions shipments as required. In the event an unsafe condition is noted by base supply personnel during the vehicle inspection conducted using the DD Form 626, the contractor shall download, transport as necessary and temporarily store all transient explosive munitions items until the unsafe condition is remedied. The contractor shall then reload the transient munitions onto the vehicle once base supply personnel conduct the re-inspection and clear the discrepancy. The contractor shall ensure that the 82 MXS/LGMQ has been notified.

5.17.6. Aircrew Munitions Training Account. The contractor shall:

5.17.6.1. Act as munitions account custodian and properly manage all aspects of the aircrew munitions training account IAW AFI 21-202 and 36-2217.

5.17.6.2. Requisition, receive, assemble, maintain, and store all required aircrew training munitions assets IAW AFI 36-2217, 21-201, AFMAN 91-201, and applicable technical orders.

5.17.6.3. Transport built up aircrew training munitions to and from the designated holding area as required IAW AFI 21-201, 21-202, 36-2217, and AFMAN 91-201.



5.17.6.4. Establish a contractor regulation to ensure accountability of aircrew training munitions assets IAW AFI 21-201, 21-202, and 36-2217.

5.18. AEROSPACE SYSTEMS MAINTENANCE. The contractor shall perform on- and off- equipment maintenance for pneudraulics, environmental, and electrical systems IAW AETCI 21-101. The contractor shall:

5.18.1. Perform on- and off- equipment maintenance and testing on pneudraulic, hydraulic, and pneumatic systems and components including the ability to manufacture and test Flexible hoses and the testing of tubing assemblies associated with these systems IAW AETCI 21-101.

5.18.3. Perform on- and off- equipment maintenance and testing on electrical systems and maintenance support of support equipment systems. Perform authorized local manufacture, repair, overhaul, service, testing, modification, and inspection of electrical components, batteries, and battery charging units IAW AETCI 21-101.

5.19. AEROSPACE GROUND EQUIPMENT MAINTENANCE. The contractor shall provide powered and nonpowered aerospace ground equipment (AGE) and trainer maintenance, scheduling, delivery, etc., to support the Technical Training mission. AGE items are those items of portable engines, motor driven, battery powered start carts, or nonpowered ground equipment used in servicing, handling, and maintaining trainer, GITA, and historical/static display subsystems and equipment IAW AETCI 21-101. The contractor responsibilities shall include, but not be limited to the following:

5.19.1. Provide for pickup, delivery, troubleshooting, repair, modification, inspection and servicing of powered and nonpowered AGE and for maintenance of all AGE assigned to maintenance shops and other base agencies (Ref TE-2 for workload data and base agency AGE listing).

5.19.2. Ensure AGE storage area is secure, clean, litter free, and presents a neat appearance.

5.20. TMDE/AVIONICS MAINTENANCE. The contractor shall maintain avionics systems and associated equipment IAW applicable AF Regulation, Technical Orders, and AETCI 21-101. The contractor shall:

5.20.1. Perform on- and off- equipment maintenance on general instrument systems, and test equipment. The contractor is responsible for inspection, calibration and repair of torque wrenches and tensiometers.

5.20.2. Provide repair, calibration, and certification of Test Measurement and Diagnostic Equipment (TMDE) designated Precision Measurement Equipment Laboratory (PMEL) responsibility in TO 33K-1-100 (series). Provide PMEL support to Air Force activities, other federal agencies, and contractors (authorized to receive such support IAW approved support agreements) on and off base. Provide assistance to activities, who are responsible for maintenance and calibration of TMDE designated as user's responsibility, when activities do not have the required skills and/or equipment. All maintenance and calibrations performed by the contractor must be accomplished using GFE and USAF approved technical data. The contractor shall manage the PMEL IAW AETCI 21-101, AFOSH 127-90, TO 00-20-14, TO 33-1-27, and SAFBI 21-101. The contractor shall meet minimum standards for quality to meet certification requirement IAW TO 00-20-14 (Ref TE-2 for workload data).

5.20.2.1. The contractor shall (IAW paragraph 3.2.12.) operate and maintain the PMEL in a condition to meet certification requirements IAW TO 00-20-14. Environmental out-of-tolerance conditions in the measurement/repair areas shall be reported as emergency. The contractor shall inform, by letter, the QAE, FAC, and HQ AETC/LGM in turn of facility discrepancies that may prevent certification of the PMEL.

5.20.2.2. The contractor shall be responsible for controlling, shipping and receiving of the TMDE identified by the Government which must be repaired and calibrated at locations other than 82 TRW. The contractor's responsibilities for TMDE maintained off- site are specified in AETCI 21-101 and TO 00-20-14.

5.20.2.3. TMDE Backlog. The contractor's TMDE backlog shall not exceed the standards listed in TE-6.

5.20.2.4. The contractor shall use Precision Measurement Equipment Laboratory (PMEL) Automated Management System (PAMS) IAW AETCI 21-101 and PAMS regulations.

5.20.2.4.1. In addition to the requirements in paragraph 5.2.4, the contractor shall appoint two (2) personnel to perform additional duties as PAMS Managers. At least one (1) of the PAMS Managers must be assigned from PMEL (Manager, Scheduler or Quality Control). The PAMS Managers shall be responsible for system administration, writing retrieval reports, and security IAW PAMS 1-1, end-users manual, and Government furnished PAMS commercial software documentation. PAMS managers shall serve as the PMEL point of contact for PAMS to the base data management function and the data processing installation.

5.20.2.5. The contractor shall be responsible for repair and calibration of TMDE at locations other than 82 TRW IAW AETCI 21-101 (Ref: TE-7 for support agreements).

5.20.2.6. The contractor shall use the Air Force Metrology Calibration Center (AFMETCAL) electronic-mail system "agdis" for communication between PMEL, HQ AETC/LGMAA, AGMC, Depot, and other PMELs.

5.21. EQUIPMENT MAINTENANCE. The contractor shall accomplish all maintenance of Government furnished equipment listed in TEs -5B and -5D consistent with provisions in paragraph 3.2.8. Except those identified in paragraphs 3.2.8.1., 3.2.10.4. and 3.2.11.

5.22. EMERGENCY SERVICES. The contractor shall provide all maintenance support specified in existing Base Operation Plans (OPlans). (Ref: Sec TE-7 for current OPlans) The contractor shall:

5.22.1. Use the priorities established by the Contingency Support Staff (CSS) if the activation or exercise of multiple contingency plans generates conflicting support requirements. If the contractor cannot accomplish a routine workload due to the activation or exercise of any contingency plan, the QAE will verify to the CO, the validity of non-performance, and the Government may waive remedial action against the contractor for nonsupport of lower priorities.

5.22.2. Participate in the development of base OPlans that involve contractor controlled resources.

5.22.3. When required by the CO, respond to all new requirements directed by base OPlans incorporated in this contract. The CO will verbally advise the contractor of the effort required and follow up as soon as possible with a written authorization. In the event that new requirements (as directed by base OPlans) will result in an increase in contract price, the contractor shall submit a request for equitable adjustment within 30 days of notice of the new requirement.

5.22.4. Provide a representative, normally the contract manager or alternate(s), to the CSS who shall serve as a point of contact for all maintenance requirements during real or exercise contingency situations. The representative must have a secret security clearance and current training (Government furnished) in CSS operations. Contractor shall maintain a list of CSS qualified personnel and will request training from the FAC when needed.

5.23. INDUSTRIAL HYGIENE/OCCUPATIONAL HEALTH. The contractor shall establish an industrial hygiene program consistent with OSHA requirements as specified in 29 CFR 1910. The annual evaluations of Government furnished equipment can be used to augment this program. The contractor shall take appropriate air samples, accomplish noise dosimetry, conduct an ionizing radiation dosimetry program for its employees (as required), establish and provide any biological monitoring programs required, provide training in, and enforce the

use of required personal protective equipment, hearing protection, respirators, safety glasses, etc., and report to the CO and Chief QAE any malfunctioning equipment requiring evaluations other than the annual surveys. The contractor shall maintain copies of Material Safety Data Sheets (MSDSs) IAW 29 CFR 1910.1200. If the contractor is unable to obtain an MSDS on an Air Force procured chemical, the contractor may request assistance from the bioenvironmental engineering office through the CO IAW paragraph 3.2.16.4. For local purchase chemicals, the contractor shall provide a copy of the MSDS to the USAF Medical Bioenvironmental Engineering Office.

5.24. HAZARDOUS WASTE MANAGEMENT. The contractor is responsible for establishing a hazardous waste management program for the management of its hazardous waste. All contract personnel handling hazardous waste shall be trained in the proper procedures for accumulation and transfer of the waste. The contractor is responsible for complying with AF/AETC directives and policies, Training Wing regulations and OPlans on waste minimization. Hazardous waste will be managed IAW 40 Code of Federal Regulations, Parts 260-271; 49 Code of Federal Regulations, Parts 171 and 172; local and state rules and regulations, Article 18. The contractor shall establish and manage maintenance waste accumulations points, collect waste, and accomplish the required paperwork for product inventories, record keeping of hazardous waste, turn-in documents of acceptable accumulated waste, and transport to center disposal area required by the Defense Reutilization Marketing Office. The contractor will comply with Federal and State laws and Air Force regulations providing the correct documentation for the disposition of accumulated wastes. Hazardous waste minimization techniques shall be used in work procedures. Any new procedures or equipment required for waste minimization shall be operated by the contractor. The new equipment will become part of this contract.

5.25. IDENTIFYING AND REPORTING SAFETY HAZARDS AND MISHAPS. The contractor shall implement a system which will promptly identify and report safety hazards and mishaps involving Air Force facilities or equipment to the 82d Training Wing Safety Office. The contractor shall assist wing safety in the investigation and reporting such mishaps. Mishap investigation and reporting of accidents involving only contractor employees shall be the responsibility of the contractor. The contractor shall immediately notify the 82d Training Wing Safety staff through the FAC, of any on-the-job death or medical examination or treatment of a contractor employees as a result of an on-base, work related mishap or incident. The 82d Training Wing Safety staff will conduct work site visits of contractor operation to insure Air Force facilities and equipment are used and maintained IAW AF safety standards. The contractor shall take action as directed by the CO to correct unsafe conditions/hazards identified during the visit. The contractor shall accomplish the functional manager hazard abatement responsibilities IAW AFR 127-12 for the maintenance complex.

5.26. HELICOPTER MAINTENANCE COURSE SUPPORT. The contractor shall begin phase-in operations at Fort Eustis, VA on 28 January 1998 for full assumption of the maintenance to begin 28 February 1998. The maintenance operation shall be responsible for trainer, GITA, and support equipment servicing, aerospace ground equipment scheduled and unscheduled maintenance, TCTOs to include local and command-directed inspections, cleaning and ground handling. The contractor shall work closely with the Sheppard Trainer Maintenance MOC to report current trainer, GITA, and equipment status and request specialist support for maintenance beyond the capabilities of their personnel or equipment IAW 21-101.

5.26.1. The contractor shall perform scheduled and unscheduled inspections, repairs, operational checks, modifications, calibrations, installation, corrosion control, equipment placement and movement, servicing, etc. to provide fully mission capable (FMC) trainer assemblies, subassemblies and components IAW applicable technical data. The contractor shall provide maintenance support to minimize the loss of student training time.

5.26.2. All contractor proposed changes to scheduled maintenance shall be coordinated at least one work day in advance with the customer. The contractor shall respond to scheduled and/or unscheduled maintenance customer requests as specified in AETCI 21-101, and SAFBI 21-101. When contractor action changes trainer status and/or availability, the contractor shall advise the customer of the change(s) within the time limits IAW AETCI 21-101 and SAFBI 21-101.

5.26.3. Trainer and GITA maintenance shall be performed in accordance with PWS para 5.12 and the aerospace ground equipment will be maintained in accordance with PWS para 5.19.

5.27. CUSTODIAL SERVICE (WORK AREAS). In addition to the General Industrial Operation requirements IAW AFOSH 91-66, the contractor shall:

5.27.1 Cleaning. Refer to CUSTODIAL STANDARDS (WORK AREAS) in TE-2, Work Load Estimates Custodian (Workareas) Workload.

5.27.1.1. Reserved.

5.27.1.2. Sweep floors. Chairs, trash receptacles, and easily moveable items shall be tilted or moved to sweep underneath.

5.27.1.3. Mop Floors. All accessible areas shall be mopped or scrubbed with floor machine. Chairs, trash receptacles, and easily moveable items shall be moved to mop underneath.

5.27.1.4. Maintain Floors. All tile floors, including accessible to floor machines shall receive floor maintenance. Chairs, trash receptacles and easily movable items shall be tilted or moved by contractor to maintain floors underneath. Tile floor maintenance includes the techniques of dry buffing, spray buffing, stripping, and waxing as required to achieve the above stated results. The techniques used depend upon the materials, equipment, and personnel used to do the job. Wax is only to be applied to floor surfaces that have been cleaned.

5.27.1.4.1. Hangar Floors. Hangar floors shall be maintained so that fluid spills (e.g., hydraulic fluid, oil, fuel, etc.), grease, and foreign debris are cleaned/removed as soon as possible. Maintenance includes wiping/mopping fluid and grease spills as they occur, and sweeping and mopping on a scheduled basis (Ref: TE-2, Work Load Estimates Custodian (Workareas) Workload).

5.27.1.5. Maintenance of Entrance Mats. Entrance mats shall be swept, vacuumed, or hosed-down outside to remove soil and grit. Soil and moisture underneath entrance mats shall be removed and mats returned to their normal location.

5.27.1.6. Remove Trash/Clean Ash Trays. All waste baskets, cigarette butt receptacles (ash trays, butt cans, etc.) and other trash containers within the areas shall be emptied, each work day or shift change, and wiped clean. Any obviously soiled or torn plastic trash receptacle liners in such receptacles shall be replaced. Ashes, debris, and all residue shall be removed from cigarette butt receptacles and placed in a nonflammable container. The contractor shall pick up any trash that may fall onto the facility or grounds during the removal of such collected trash. The trash shall be deposited in the nearest outside trash collection point.

5.27.1.7. Perform Low Dusting. All dust, lint, litter, and dry soil shall be removed from the horizontal surfaces of desks, chairs, file cabinets, and other types of office furniture and equipment, and from horizontal ledges, window sills, hand rails, etc., to a line 7'0" above the top of the floor level. All items moved to perform dusting will be returned to proper location.

5.27.1.8. Clean Glass. Includes all glass partitions, interior and exterior glass doors, display cases, directory boards, windows, mirrors, and adjacent trim.

5.27.1.9. Perform Spot Cleaning. Remove smudges, fingerprints, marks, streaks, etc., from washable surfaces of partitions and personnel entrance doors.

5.27.2. Periodic Cleaning. Refer to CUSTODIAL STANDARDS (WORK AREAS) in TE-2, "Work Load Estimates Custodian (Workareas) Workload":

5.27.2.1. Perform High Dusting. All dust, lint, litter and dry soil shall be removed from all surfaces 7'0" - 10'0" above the top of the floor surface.

Venetian blinds, where installed, are included in high dusting. Areas above 10'0" shall have loose debris removed annually.

5.27.2.2. Clean Light Fixtures. All light fixtures, bulbs and shades shall be cleaned of bugs, dirt, dust, grease, and other foreign matter.

5.27.3. Custodial Workload (Work Areas). The contractor shall perform the tasks at the minimum frequencies indicated. Ref TE-2, "Work Load Estimates Custodian (Workareas) Workload".

5.28. FACILITIES UPKEEP AND MINOR MAINTENANCE: The contractor shall perform minor maintenance and repairs of Government-furnished facilities commensurate with cleanliness and good housekeeping. Minor maintenance and repairs include, but are not inclusive tasks, such as patching interior walls and doors, caulking interior walls, windows, and doors/door frames, painting interior walls, doors/door frames, window frames/sills, and interior trimming, (Not to Exceed 200 square feet), and replacement of electrical receptacle covers. Any maintenance repair shall not exceed a total of 32 man hours per project. Projects shall not be split to avoid exceeding square footage or man hours stated above. The Government will provide, as available, through the base self-help center, all material to perform facilities upkeep and minor maintenance.

5.28.1. When maintenance or repairs exceed the requirements listed herein, the contractor shall submit an AF Form 332 describing each item of work to be done, to include sketches and diagrams, as necessary.

5.29. NOTIFICATION: The contractor shall notify the FAC, Chief QAE or the Contracting Officer within one working day of contractor's management awareness of any contractor employee statement or action which could be construed as threatening or intimidating, and the contractor's senior management decides the incident is significant enough to warrant an investigation. The threatening or intimidating statement or action need not be directed toward a specific individual(s) or piece of government property; general disorderly or threatening conduct is to be treated in a similar manner.

a. Initial notification need not be in letter format. Informal verbal or written notification of the incident will include pertinent details including when and where it occurred, who was involved, and the actions taken, if any, by contractor management or contractor supervisory personnel up to that point. Following initial notification, it will be necessary for the contractor to update the FAC or the Chief QAE in writing, on the outcome of any investigation and measures taken to ensure security of both base personnel and government property.

CONTRACT NUMBER F41697-7-C0509  
MODIFICATION NUMBER A00027

**TECHNICAL EXHIBIT 4  
REQUIRED REPORTS  
AND  
ADDITIONAL DUTIES**

TECHNICAL EXHIBIT 4  
SHEPPARD TRAINER MAINTENANCE

PAGE NUMBER TE-4-1



TECHNICAL EXHIBIT 4  
REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
1	Contract Manager and All Contract Management and Supervisory Personnel	ACO 1 LGMQ 1	List will be provided on contract start date	C-1, paragraph 1.2.1.1.
2	Employee Certification and License	LGMQ 1 ACO 1 82 LG/LGCC 1	The list shall be provided at contract start date and updated as changes occur	C-1, paragraph 1.2.2.1.1.
3	Employee Security Clearance Listing	LGMQ 1 ACO 1 SPAI 1	Submitted to the ACO upon contract start date and updated as changes occur.	C-1, paragraph 1.2.3.
4	Quality Control Plan (Quality Maintenance Evaluation Plan)	ACO 1 LGMQ 1	Basic version submitted no later than pre-performance conference. Update versions adapted to specific Contract on contract start date.	C-1, paragraph 1.3. and AFI 24-301
5	QC Action Summary	AETC/LGMMP 1 LGMQ 1	Monthly NLT 7 <sup>th</sup> workday after end each month	C-1, paragraph 1.3.19.
6	Key/Combination Manager	LGMQ 1	Initial and Upon Change	C-1, paragraph 1.5.2.
7	Resource Protection Plan	ACO 1 LGMQ 1	Basic plan to be provided by contract start date. Revisions to Be submitted as necessary	C-1, paragraph 1.6.1.

TECHNICAL EXHIBIT 4  
REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
8	Equipment Account Custodians List	ACO 1 82 LG/LGS 1 LGMQ 1	Basic list of custodians to be provided upon joint inventory date of Government furnished equipment	C-3, paragraph 3.1.2.2. and C-5, paragraph 5.1.3.
9	Vehicle Control Program Officer	ACO 1 82 LG/LGT 1 LGMQ 1	Name of individual to be provided at contract start date and updated as changes occur	C-3, paragraph 3.2.11.
10	Support Agreements Expenditures	ACO 1 LGMQ 1	Monthly NLT 5 <sup>th</sup> of each month	C-5, paragraph 5.1.3.
11	Work Center Training Requirements	LGMQ 1	As Changes Occur	C-5, paragraph 5.1.3.
12	Work Center Assigned Task Listing	LGMQ 1	As Changes Occur	C-5, paragraph 5.1.3.
13	Training Forecast Tentative Schedule	LGMQ 1	Monthly NLT 20 <sup>th</sup> of each month	C-5, paragraph 5.1.3.
14	Awaiting Action Roster	LGMQ 1	Monthly NLT 20 <sup>th</sup> of each month	C-5, paragraph 5.1.3.
15	Training Course Report	LGMQ 1	As Changes Occur	C-5, paragraph 5.1.3.
16	Training Task Table	LGMQ 1	As Changes Occur	C-5, paragraph 5.1.3.
17	Firm Training Schedule	LGMQ 1	Monthly NLT 20 <sup>th</sup> of each month	C-5, paragraph 5.1.3.

TECHNICAL EXHIBIT 4  
REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
18	Total Man-hour by Equipment, for Previous 9 months for SAFB, VAFB, GAFB, Fort Eustis, and PNAS	LGMQ 1	Monthly NLT 20 <sup>th</sup> of each month	C-5, paragraph 5.1.3.
19	Reserved			
20	Special Certification/ Inspection List	LGMQ 1	Basic list identifying contract supervisory personnel qualified to inspect completed maintenance actions and certify procedures were followed by clearing equipment forms or condition tags (QUARTERLY)	C-1, paragraph 1.3.18. C-5, paragraph 5.1.6.
21	TMDE Backlog Report	LGMQ 1	Monthly NLT 10 <sup>th</sup> of each month	C-5, paragraph 5.1.6.
22	Base Repair Capability	LGMQ 1	Monthly NLT 10 <sup>th</sup> of each month	C-5, paragraph 5.1.6.
23	Change and Revision Internal Management Supplement Tops Changes T.O. Revisions	LGMQ 1	Monthly 1 <sup>st</sup> workday of each month	C-5, paragraph 5.1.6.
24	Quality Control Inspection Schedule	Internal LGMQ 1	Monthly NLT 20 <sup>th</sup> day of the month prior to the month the schedule applies to.	C-5, paragraph 5.1.6.

TECHNICAL EXHIBIT 4  
REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
25	PMEL Report RSC: LOG-MA (SA) 7808	Newark AFS Ohio 43057-5475: 1 LGMQ 1 HQ AETC/LGMA 1	AGMC/MLM Semiannually	C-5, paragraph 5.1.6.
26	M32 Report	LGMQ 1	Monthly NLT 10 <sup>th</sup> of each month	C-5, paragraph 5.1.6.
27	Prime/Alternate Internal Equipment Monitors	LGMQ 1	As Changes occur	C-5, paragraph 5.1.6.
28	Technical Order Improvement Report	AETC/LGM 1 LGMQ 1	Ref 00-5-1. Submitted to improve procedures and/or correct deficiencies in technical orders.	C-5, paragraph 5.1.6.
29	Source Maintenance Recoverability Code Change Request	ALC/MMM 1 LGMQ 1 AETC/LGM 1	Requests are generated by maintenance personnel to identify changes in Base Repair Capability/Item Recoverability	C-5, paragraph 5.1.6.
30	ADDITION/DELETION LISTING (All equip Except TMDE)	LGMQ 1	Quarterly	C-5, paragraph 5.1.6.
31	TMDE Addition/Deletion	LGMQ 1	Weekly	C-5, paragraph 5.1.6.

TECHNICAL EXHIBIT 4  
REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
32	Trainer Inventory Utilization and Status Report RSC: HAF-LEY (M) 8001	LGMQ 1 AETC/LGMA 1	NLT 5 <sup>th</sup> workday after end of each month	C-5, paragraph 5.1.6.
33	PCNSGO73-42CD TCTO Status Report	LGMQ 1	Ordered by 20 <sup>th</sup> of each month	C-5, paragraph 5.1.6.
34	PCNSGO73-51PD TCTO Index Listing by TCTO Number	LGMQ 1	Ordered by 20 <sup>th</sup> of each month	C-5, paragraph 5.1.6.
35	Management Scheduling Effectiveness Rate Monthly Logistic Indicator Report (MLIR) RSC: AETC-LGM(M) 7501 IAW AETCI 21-105	LGMQ 1	Monthly NLT 6 <sup>th</sup> of each month	C-5, paragraph 5.1.6.
36	MDC Master ID Listing (by ID Number)(by PWC)	LGMQ 2	Quarterly NLT 14 <sup>th</sup> of the month	C-5, paragraph 5.1.6.
37	PCNSG001B122 MDC Master ID by Owning Workcenter	All-PEMs LGMQ 1	Submitted quarterly, NLT 14 <sup>th</sup> of month PEMs will receive only their equipment listing. LGMQ will receive a copy of all PEM listing	C-5, paragraph 5.1.6.
38	Monthly Scheduled Maintenance Forecast by Performing Workcenter	LGMQ 1	NLT 20 <sup>th</sup> of each month	C-5, paragraph 5.1.6.

## TECHNICAL EXHIBIT 4

### REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
39	List of all Unscheduled Maintenance for the Previous Month by Performing Workcenter	LGMQ 1	NLT 5 <sup>th</sup> workday of each month	C-5, paragraph 5.1.6.
40	PAMS Master ID by Owning Workcenter	LGMQ 1	Quarterly NLT 14 <sup>th</sup> of month	C-5, paragraph 5.1.6.
41	PAMS Monthly Scheduled Maintenance Forecast	LGMQ 1	NLT 20 <sup>th</sup> of each month	C-5, paragraph 5.1.6.
42	List of all Unscheduled Maintenance for the previous month PAMS	LGMQ 1	NLT 5 <sup>th</sup> workday of each month	C-5, paragraph 5.1.6.
43	Precious Metal Recovery Program Report	82 LG/CCR 1 82 LG/LGSSP 1 LGMQ 1	Quarterly	C-5, paragraph 5.1.6
44	IS 507 CAS-B Report	LGMQ 1	Quarterly (Mar, Jun, Sep, Dec) NLT 5 <sup>th</sup> of each	C-5, paragraph 5.17.2.1.
45	IS 567 CAS-B Report	LGMQ 1	Monthly NLT 5 <sup>th</sup> of each month	C-5, paragraph 5.17.3.1.
46	IS 501 CAS-B Report (Base Stock and Custody Assets)	LGMQ 1	Quarterly (Mar, Jun, Sep, Dec) NLT 5 <sup>th</sup> of each month	C-5, paragraph 5.17.3.1.
47	IS 573 CAS-B Report	LGMQ 1	Monthly NLT 5 <sup>th</sup> of each month	C-5, paragraph 5.17.4.1.
48	IS 907 CAS-B Report	LGMQ 1	Weekly NLT COB Monday	C-5, paragraph 5.17.1.3.

TECHNICAL EXHIBIT 4  
SHEPPARD TRAINER MAINTENANCE

TECHNICAL EXHIBIT 4  
REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
49	Emergency and Contingency Plan	ACO 1 LGMMP 1 LGMQ 1	Basic plan due NLT contract start date. Revisions submitted as required.	C-5, paragraph 5.22.
50	Reserved			
51	On-Scene Disaster Group	82 SPTG/XPRD	Initial and Upon Change	AFI 32-4001
52	Security Officer	82 SFS/SPAI	Initial and Upon Change	AFI 31-601
53	Physical Security Officer (PSO)	LGMQ 1	Initial and Upon Change	AFI 31-209
54	ADPE Manager	82 CS/DOS 1	Initial and Upon Change	AFI 33-113
55	Customer Account Representative (CAR)	82 MSSQ/MSIP 1 LGMQ 1	Initial and Upon Change	AFI 91-161 AETC Sup 1
56	Environmental Coordinator	82 TG/SGPB 1 LGMQ 1	Initial and Upon Change	AFI 23-502
57	Hazardous Waste Manager	82 CES/DEEV 1 LGMQ 1	Initial and Upon Change	AFI 23-502
58	Safety Representative	82 LG/LGL 1 LGMQ 1	Initial and Upon Change	AFI 91-202

**TECHNICAL EXHIBIT 4**  
**REQUIRED REPORTS AND ADDITIONAL DUTIES**

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
59	Energy Conservation Monitors	LGMQ 1	Initial and Upon Change	AFPD 23-3
60	Authority to Approve Cannibalization Actions	LGMQ 1	Initial and Upon Change	AETCI 21-101
61	Terminal Area Security Officers	LGMQ 1	Initial and Upon Change	AFI 31-401
62	Building Managers	82 CES/DEMR 1 LGMQ 1	Initial and Upon Change	STRW191-5
63	EMO Custodians	82 LG/CCR	Initial and Upon Change	AFR 67-23
64	Bench Stock Monitors	82 LG/CCR	Initial and Upon Change	AFMAN 23-110, Vol. 2, Part 13
65	Cost Center Monitors	82 LG/CCR	Initial and Upon Change	AFP 170-1
66	Inter-Base Radio Custodian	82 CS/XPQ	Initial and Upon Change	AFI 33-106
67	Unit Radiation Protection Officer	82 TG/SGPB LGMQ 1	Initial and Upon Change	AFI 40-201
68	FOD/Tool Control Manager	LGMQ 1	Initial and Upon Change	AFI 21-101
69	Precious Metal Monitor	82 LG/CCR 1	Initial and Upon Change	AFMAN 23-110
70	Repair Program Manager	LGMQ 1	Initial and Upon Change	AETCI 21-101

TECHNICAL EXHIBIT 4  
SHEPPARD TRAINER MAINTENANCE



TECHNICAL EXHIBIT 4  
REQUIRED REPORTS AND ADDITIONAL DUTIES

REPORT #	TYPE	TO	FREQUENCY	REQUIRED BY
71	Reusable Container Monitor	82 LG/CCR 1	Initial and Upon Change	AFPD 24-2
72	Technical Order Monitors	82 MSSQ/MSIP	Initial and Upon Change	AETCI 21-101
73	Telephone Control Officer	82 CS/DO	Initial and Upon Change	AFI 33-115
74	Personnel Authorized to Pick Up Computer Products	82 CS/DO LGMQ 1	Initial and Upon Change	AFI 33-116
75	Copy Machine Monitor	82 MSSQ/MSIRC	Initial and Upon Change	AFI 37-162
76	Individuals to Receive /Issue Turn In to DRMO	82 LG/CCRL/LGSC LGMQ 1	Initial and Upon Change	AFMAN 23-110
77	Disaster Preparedness Duties	82 SPTG/SPRD LGMQ 1	Initial and Upon Change	OPS Plan 32-4001

**TECHNICAL EXHIBIT 5E**  
**GOVERNMENT FURNISHED COMMON HAND TOOLS**  
**AND SPECIAL TOOLS**

TECHNICAL EXHIBIT 5E

1. The following common tools and special tools coded GF/GFM as stated in paragraph 3.1.3.2. and paragraph 4.9:

OVERSHOES F-16	SLEEVE AXLE KC-135
CANOPY FIXTURE A-10	JACK ADAPTER F-16
JACKPADS T-38	WING HARNESS C-135
NOSE BRACE T-37	CANOPY SUPPORT F-111
TAILHOOK ADAPTER F-111	CANOPY ADAPTER F-16
SOCKET MAIN WHEEL F-15	FLAP DRIVE ADAPTER F-111
SOCKET MAIN WHEEL A-10	CANOPY SLING F-16
MOURING DEVICE T-38	CANOPY SLING F16
JACKPADS T-37	SEAT SLING F-16
STRUT BLOCK T-38	CANOPY BRACE F-16
CANOPY BRACE BAR F-4	CANOPY FIXTURE A-10
WINGFOLD LOCKS F-4	AIR CHUCK HIGH PRESSURE
JACKPAD KIT F-111	SPLINE SOCKETS
F-15 TAILHOOK PIN	JACKPAD F-16
T-38 RETENTION PIN	PACKETT ENGINE WR 9/16
T-38 RIG PINS	HEATER ENG KIT
TAILHOOK PIN F-111	PACKETT ENG CRANK
A-10 N/L/G JACKING PIN	PAN NUT WRENCH
DRILL INDEX 1-60	TORQUE WR HOBART
DRILL INDEX 1/16 TO 1/2	-60 ENGINE SLING
F-15A N/L/G JACKING PIN	B/4 PLATFORM SLING
SCREW EXTRACTOR SET	BARREL SLING
SCREW REMOVER	MA1A ENCLOSURE SLING
F-4 NOSE JACKING PIN	PACKETT SLING
F-4 TANK BAR	GENERATOR SLING
F-16 HYD PUMP HANDLE	STRUT TORQUE ADAPTER
F-16 AIR COND HOSE	SPANNER WRENCH F-4
TIRE SERVICE KIT	SPANNER WRENCH C-141
COWLING TOOL KC-135	BRAKE TOOL F-4
CARGO DOOR NET KC-135	STRUT HANDLING TOOL
APEX HEXHEAD	STRUT HP PISTON TOOL
APEX CROSSPOINT/PHILLIPS	SWIVEL TOOL F-4
APEX HIGH TORQUE	LPU STOWING HOOK
BIT EXPANSION 7/8"-3"	MAU 12 REMOVAL KIT
#1, 3, 4, CENTER DRILLS	TOOL EJECTOR AERO 27
BRAKE TOOL	AERO 27 SPRING TOOL
CANNON PLUG PLIERS	GUN FLEX DRIVE
DEHYDRATOR ADAPTOR	PIVET PYLON ADAPTER
MA1A ALIGNMENT TOOL	AFT SNUBBER GAUGE
PUSHROD TOOL	PIN SET PULLET
ENGINE CRANK	STRIKER POINT GAUGE
HOLBART ENGINE KIT SET	20MM GUN CLEANING ROD
PUMP HANDLE	PISTON PIN REMOVING TOOL
MAGNETO GROUND LEAD	SLIDE PULLER
MAGNETO LEAD WRENCH	-60 TOWBAR SPRING TOOL
MC1A STARTER WRENCH	ANALYZER HOLBART TESTER
CAULKING INJECTOR GUN	HANDCRANK B-52
MER/TER FIRING PIN REMOVAL TOOL	15/16" DW 12-PT MILLED SOCKET
LAU-106 EJECTOR PISTON REMOVAL TOOL	
EJECTOR PISTON GUIDE REMOVING TOOL	

## ASSIGNED TOOL BOXES

ITEM NO	NOUN	QTY	DRAWER	4515-1	ESS LAB
1	CUTTERS, DIAGONAL 4 3/4"	1		4515-1	ESS LAB
2	FLASHLIGHT	1		4515-1	ESS LAB
3	INSPECTION MIRROR 8-1/2"	1		4515-1	ESS LAB
4	PLIERS, FLUSH CUT 4-3/4"	1		4515-1	ESS LAB
5	PLIERS, NEEDLENOSE 8-1/2"	1		4515-1	ESS LAB
6	POCKET KNIFE	1		4515-1	ESS LAB
7	SCREWDRIVER, COMMON 3/16 X 5"	1		4515-1	ESS LAB
8	SCREWDRIVER, COMMON 3/8 X 8"	1		4515-1	ESS LAB
9	SCREWDRIVER, JEWELERS	1		4515-1	ESS LAB
10	SCREWDRIVER, PHILLIPS W/STARTER #1 X 3"	1		4515-1	ESS LAB
11	SCREWDRIVER, PHILLIPS #2 X 4"	1		4515-1	ESS LAB
12	SCRIBE, MACHINISTS	1		4515-1	ESS LAB
13	SOLDER SEIZER, CURVED 5-1/4"	1		4515-1	ESS LAB
14	TOOL BAG	1		4515-1	ESS LAB
15	TUNING TOOL	1		4515-1	ESS LAB
16	TUNING TOOL MODIFIED	1		4515-1	ESS LAB
17	TWEEZERS, CURVED 4-1/2"	1		4515-1	ESS LAB

C. Holcomb 14 Oct 98

Carlson Stewart

## TECHNICAL EXHIBIT 6

### STANDARDS

#### PART I

#### Trainer and Support Equipment Maintenance (Monthly) Standards

Category	Standard
12. Scheduled Historical Exhibits Maintenance	90% or higher See paragraph A below.
13. Time Compliance Technical Order (TCTO) Maintenance	90% or higher See paragraph A below.
14. Transfer/Acceptance Maintenance	90% or higher See paragraph A below.
15. Scheduled/Unscheduled Trainer/Support Equipment Maintenance Goodfellow AFB	90% or higher See paragraph A below.
16. Scheduled/Unscheduled Trainer/Support Equipment Maintenance Pensacola NAS, FL	90% or higher See paragraph A below.
17. Scheduled/Unscheduled Trainer/Support Equipment Maintenance Vandenberg AFB, CA	90% or higher See paragraph A below.
18. Observation Areas	80% or higher See paragraph B below.
19. Maintenance Scheduling Effectiveness	90% or higher See paragraph C below.
20. Repair Cycle Assets	See paragraph D below.
21. TMDE Backlog	See paragraph E below.
22. Base Repair Capability	75% or higher See paragraph F below.
23. Scheduled/Unscheduled Trainer/Support Equipment Maintenance Fort Eustis, VA	90% or higher See paragraph A below.
24. Perform BDU-33 Buildup	90% or higher See paragraph A below.

**TECHNICAL EXHIBIT 6**  
**PART I (Continued)**  
**STANDARDS/CALCULATION METHODS**

A. Categories 1-17, & 24: These standards apply to Government quality assurance technical inspections IAW section C-1, paragraph 1.5.1.a of this PWS. The contractor shall maintain monthly satisfactory rates (as determined by the Government) as indicated in categories 1-17, & 24 standards columns. The standards will be computed as follows:

Total number of satisfactory evaluations, e.g., scheduled GITA maintenance evaluations divided by total number of all scheduled GITA maintenance evaluations.

Examples:

(1) 45 scheduled GITA maintenance evaluations rated satisfactory divided by 50 total scheduled GITA maintenance evaluations =  $.90 \times 100 = 90\%$ .

(2) 15 unscheduled PAGE evaluations rated satisfactory divided by 25 total unscheduled PAGE evaluations =  $.60 \times 100 = 60\%$ .

B. Category 18: Observation Areas. This standard applies to Government quality assurance observation areas IAW section C-1, paragraph 1.4.1.b. of this PWS. The contractor shall maintain a monthly satisfactory rate (as determined by the Government) of 80% or higher. This standard will be computed as follows:

Total number of satisfactory scheduled observations are evaluations divided by the total number of scheduled observation area evaluations  $\times 100 = \text{rate } \%$ .

C. Maintenance Scheduling Effectiveness: Percent of on-time, scheduled maintenance actions as defined in AETCI 21-101. Rate will be rounded to the nearest one-tenth of a percent.

D. Repair Cycle Assets: Quarterly average turnaround time for repair of repairable assets shall not exceed six (6) calendar days for command, AFLC and/or local critical and/or intensive managed items and ten (10) calendar days for all other assets. Detailed information concerning repair cycle time processing requirements and time limits are specified in AETCI 21-101. Vehicles to evaluate compliance will be active QAE surveillance and the Base Supply Status listing M-32 report. Calculate repair cycle time will be rounded to the nearest whole day.